

EXAMPLE Documentation for Existing Home Preliminary Ratings

To Allocate Money for an Existing Home Property...

1st..... Submit an Existing Home Cover sheet with the below information by: clicking the Button “Click to Allocate Funds for a Rating or Audit” or e-mail to allocatehero@empowerlouisiana.org

SUBMIT EACH EXISTING HOME PROPERTY ALLOCATION REQUEST IN A SEPARATE E-MAIL
This will allocate funds for a specific property

2nd..... A CO# will be assigned to the property within 48 to 72 hours and e-mailed back to you.
The CO# assigned to the property must be included in the preliminary and final rating documentation when they are submitted

EmPower Louisiana HERO Cover Sheet Existing Homes																																														
CO # <input type="text"/>																																														
1 Open Application/14 Day Funds Obligation	2 Preliminary Rating (6 Month Obligation)																																													
Rated Property	HERS Index and % improvement Date																																													
Zip <input type="text" value="70001"/>	1 Enter As-Is HERS Rating <input type="text"/>																																													
City <input type="text" value="Metairie"/>	2 Enter Proposed Final HERS Rating <input type="text"/>																																													
State <input type="text" value="Louisiana"/>	3 Maximum Qualifying Score <input type="text" value="0"/>																																													
Street <input type="text" value="123 Example Street"/>	(line 1 x 0.70)																																													
Parish <input type="text" value="Orleans"/>	Proposed Rebate Amount																																													
Rater/Auditor	4 Enter As-Is Annual MMBtu usage <input type="text"/> MMBtu/yr																																													
Rater SSN/VIN# <input type="text" value="123-45-6789"/>	5 Enter improved Annual MMBtu usage <input type="text"/> MMBtu/yr																																													
Rater Name <input type="text" value="Joe Rater"/>	6 Annual Savings (line 4 minus line 5) <input type="text" value="0"/> MMBtu/yr																																													
Rater Ph. # <input type="text" value="504-111-1111"/>	7 Convert to kWh (line 6 / 0.003412) <input type="text" value="0"/> kWh																																													
Rater email <input type="text" value="joe_rater@haha.find"/>	8 15 year savings (line 7 x 15) <input type="text" value="0"/> kWh																																													
Applicant Mailing Address (for rebate check)	9 Potential Rebate (line 8 x 0.02) <input type="text" value="\$0"/>																																													
Applicant Name <input type="text" value="Joe Smith"/>	10 Proposed Rebate <input type="text" value="\$0"/>																																													
Applicant ID <input type="text"/>	If line 6 is less than \$3,000 enter the value on line 6, otherwise enter \$3,000																																													
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Rating Software	3 FINAL Rating																																													
Name <input type="text" value="REMRate"/>	HERS Index and % improvement Date																																													
Version <input type="text"/>	1 Enter As-Is HERS Rating <input type="text"/>																																													
Utility Provider <input type="text"/>	2 Enter Improved HERS Rating <input type="text"/>																																													
Company <input type="text"/>	3 Maximum Qualifying Score <input type="text" value="0"/>																																													
Meter # <input type="text"/>	(line 1 x 0.70)																																													
Gas / Propane <input type="text" value="I"/>	Rebate Amount																																													
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Quick Analysis Report for As-Is and Proposed/Improved	✓	✓																																												

To Submit a Preliminary or Final Rating for an Existing Home Property...

1st..... After conducting the preliminary rating, fill out all of the documentation described in this guide as per the included examples.

After conducting the final rating, fill out all of the documentation described in the Existing Home Final Example Guide as per those included examples.

2nd..... To submit either a preliminary or final rating under the EmPower Louisiana HERO Program, either click the Button on this site titled “Click to Submit a Rating or Audit Under HERO” or e-mail to: submithero@empowerlouisiana.org

From Performance Summary
2 bldg As Is/Base compared to
Proposed

As Is/Base Quick Analysis
X 0.70 = Maximum
Qualifying Final Score

From As Is/Base Quick Analysis
From Proposed Quick Analysis



CO#654321

HERO Cover Sheet
Existing Homes

1 Open Application/4 Day Funds Outgoing

Rated Property

Zip	70001
City	Metairie
State	Louisiana
Street Address	123 Example Street
Parish	Orleans
Rating Auditor	
Rater SSN/VIN#	123-45-6789
Rater Name	Joe Rater
Rater Ph. #	504-111-1111
Rater email	joe_rater@hana.find
Applicant Mailing Address (for rebate check)	
Applicant Name	Joe Smith
Applicant ID	987-65-4321
Zip	70001
City	Metairie
State	Louisiana
Street Address	123 Example Street
Parish	Orleans
phone	504-222-2222

Where Check
will be mailed.
Can be different
than Rated Address
(Info from W9)

2 Preliminary Rating (6 Month Obligation)

HERS Index and % Improvement

1 Enter As-Is HERS Rating	199
2 Enter Proposed Final HERS Rating	126
3 Maximum Qualifying Score (line 1) - (line 2)	139.3
4 Enter As-Is Annual kWh usage	140.2 kWh/yr
5 Enter Improved Annual kWh usage	90.5 kWh/yr
6 Annual Savings	line 4 minus line 5 49.7 kWh/yr
7 Convert to kWh	line 6 / 0.0034 14,566 kWh
8 15 year savings	line 7 x 218,493 kWh
9 Potential Rebate	line 8 0.02 \$4,369.87
10 Proposed Rebate	\$3,000.00
If line 6 is less than \$3,000 enter the value on line 6, otherwise enter \$3,000	

3 FINAL Rating

1 Enter As-Is HERS Rating	
2 Enter Proposed Final HERS Rating	
3 Maximum Qualifying Score (line 1) - (line 2)	
4 Enter As-Is Annual kWh usage	
5 Enter Improved Annual kWh usage	
6 Annual Savings	line 4 minus line 5
7 Convert to kWh	line 6 / 0.0034
8 15 year savings	line 7 x 218,493
9 Potential Rebate	
10 Proposed Rebate	

Rebate Amount

1 Enter As-Is HERS Rating	
2 Enter Proposed Final HERS Rating	
3 Maximum Qualifying Score (line 1) - (line 2)	
4 Enter As-Is Annual kWh usage	
5 Enter Improved Annual kWh usage	
6 Annual Savings	line 4 minus line 5
7 Convert to kWh	line 6 / 0.0034
8 15 year savings	line 7 x 218,493
9 Potential Rebate	
10 Proposed Rebate	

List of all documents
submitted with an
Existing Home
Preliminary

Required Improvements List

Improvement	Final m	Final Point
1) New Duct System (5 points)	n/a	
2) Seal and Insulate Ceiling (3 points)	n/a	
3) Insulate Knee Walls (5 points)	n/a	
4) Seal and Insulate Fire Place Opening in attic (3 points)	n/a	
5) Air Tight Recessed Lighting Fixtures (3 points)	n/a	
6) Seal and Insulate Attic Access Door (3 points)	n/a	
7) Increase Attic Insulation (2 points per every R-5 increment)	n/a	
8) Increase Wall Insulation (2 points per every R-5 increment)	n/a	
9) Increase Heating System Efficiency (4 points)	n/a	
10) Increase Water Heater Efficiency (3 points)	n/a	
11) Window Upgrade (2 points per every three windows)	n/a	
Total (6 points min)		

Required Documents

HERO Cover Sheet	Final m	Final
Form 1119	✓	✓
Tax Letter	✓	✓
W-9	✓	✓
New ENERGY STAR® HVAC Equipment Form	✓	✓
New NON-ENERGY STAR® HVAC Equipment Form	✓	✓
SFO Form	✓	✓
REBATE BLDG File	✓	✓
Building Performance Summary Report	✓	✓
HERO Energy Summary	✓	✓
Energy Cost and Features Report	✓	✓
Quick Analysis Report for As-Is and Proposed Improved	✓	✓

2 bldg files =
As Is/Base & Proposed

THE HOME OWNER WILL RECEIVE 6 POINTS FOR CHANGING OUT THE DUCT SYSTEM WHILE UPGRADING THE HVAC SYSTEM TO A MINIMUM SIZE 14" (7) the mechanical system they are rigid

answer for matrix scaling. If the mechanism of matrix decay are flat – also suggest that they are rigidly retained with straight rows and no more than a 45 degree bend, except at regular intervals.

THE HOME OWNER WILL RECEIVE 3 POINTS FOR SEALING AND INSULATING AN EXISTING CHASE WHEN UPGRADING THE HVAC SYSTEM TO A MINIMUM SEER 14.

THE HOME OWNER WILL RECEIVE 6 POINTS FOR INSULATING ALL EXISTING KNEE WALLS WHILE UPGRADING THE HVAC SYSTEM TO A MINIMUM SEER 14

If the above has any effect whatsoever that will be a very obvious indication required - suggest that some type of 'warning' marking to hold the machine in place are now inserted. IF THE MACHINE HAS NO KNEE WALLS ON IF THE EXISTING KNEE WALLS ALREADY MEET THIS REQUIREMENT THE HOMEOWNER WILL RECEIVE NO POINTS IN THIS CATEGORY

THE HOME OWNER WILL RECEIVE 1 POINTS FOR SEALING AND INSULATING THE CHIMNEY OPENING IN THE ATTIC WHILE UPGRADING THE HVAC SYSTEM TO A MINIMUM SEER 14

IF THE EXISTING HOME'S PRICETAG EXCEEDS ALREADY HEFTY THIS REQUIREMENT, OR IS OUTSIDE OF THE ENVELOPE, THE HOMEOWNER CAN RECEIVE NO UPGRADE POWERS IN THIS CATEGORY.

THE HOME OWNER WILL RECEIVE 1 POINTS FOR MAKING ALL OF THE EXISTING ACCESSIBLE LIGHTS AIR TIGHT WHILE UPGRADING THE HVAC SYSTEM TO A MINIMUM SEER 14

IF THE EXISTING HOME HAS NO RECESSED LIGHTS, OR IF THE RECESSED LIGHTS ARE ALREADY AROUND, THE HOMEOWNER WILL RECEIVE NO POINTS IN THIS CATEGORY.

THE HOME OWNER WILL RECEIVE 2 POINTS FOR SEALING AND INSULATING THE ATTIC ACCESS DOOR WHILE OPERATING THE HVAC SYSTEM TO A MINIMUM SEER 14

IF THE EXISTING JOBS AREN'T ACCESSIBLE ALREADY MEETS THIS REQUIREMENT, OR IS OUTSIDE OF THE EMPLOYEE, THE WORKER WILL RECEIVE NO POINTS IN THIS CATEGORY.

THE HOMEOWNER WILL RECEIVE 2 POINTS FOR EVERY 1% INCREASE IN THE ATTIC INSULATION TO A MIN. R-19 WHILE UPGRADING THE HVAC SYSTEM TO A MINIMUM SEER 13.

IF THE EXISTING PHONE ALREADY HAS AN AIR VALUE OR NUMBER IN THE ATTN, THE WORKER/WMR WILL RECEIVE AND PRINTS IN THIS CATEGORY

IF THE EXISTING HOME ALREADY HAS AN R10 VALUE IN THE FALLS, THE HOMEOWNER WILL RECEIVE NO POINTS IN THIS CATEGORY.

THE PHONE OWNER WILL RECEIVE 4 UPGRADE POINTS FOR UPGRADING THE EFFICIENCY OF THE HEATING SYSTEM TO AT LEAST A HIGHER EFFICIENCY HEATING SYSTEM THAN THE PREVIOUSLY OWNED EQUIPMENT WHILE OPERATING THE HEAT SYSTEM TO A MINIMUM OF 40°F FOR HEATING A CONVENTIONAL AC SYSTEM WITH A HEAT PUMP. SOURCE: REFINANCING THE EXISTING

THE HOME OWNER WILL RECEIVE 1 POINTS FOR UPGRADING THE EFFICIENCY OF THE WATER HEATER TO AT LEAST A HIGHER EFFICIENCY WATER HEATER THAN THE REPORTED WATER HEATER.

RESEARCHER'S DO NOT SIGN AT THIS CATEGORY

TO A MINIMUM SEEN 14 IF THE REPLACEMENT WINDOWS DO NOT CAUSE AN EFFICIENCY INCREASE. THE HOME OWNER WILL RECEIVE NO POINTS IN THIS CATEGORY

**Do Not Submit
this document...
provided as an aid
in identifying
improvement points**



HERO Program Tax Letter

CO# **CO#654321**

Dear HERO Participant,

Congratulations on your decision to participate in the HERO Program. Whether you are participating in the **New Homes**, **Existing Homes**, or **Existing Commercial Retrofit** program, your participation will benefit you in saved utility bills and greater comfort long after any rebate that you receive for making your home or commercial building more energy efficient is gone.

Participation Guidelines

Participation in the HERO program is governed by the guidelines for each program and the accompanying ARRA Requirements. By signing this letter you are agreeing to abide by the stated guidelines and requirements:

- EmPower Louisiana HERO–**New Homes** Program Guidelines
- EmPower Louisiana HERO–**Existing Home** Program Guidelines
- EmPower Louisiana HERO–**Commercial Buildings Retrofit** Program Guidelines
- EmPower Louisiana HERO–**ARRA Requirements**

Rules, guidelines, and procedures for the HERO Program are subject to change without notice. The guarantee that your home or commercial building will be processed under the program only occurs once the HERO Program receives a preliminary rating for your home or commercial building, as submitted by a HERO-Certified Energy Rater or Energy Auditor. Your rebate will be based upon the guidelines that are in place at the time that the HERO Program receives your preliminary rating or audit.

Rebates are Taxable

All rebate amounts currently will be taxable although we have applied to the IRS for a declaration that this award be nontaxable. Should the IRS reverse their decision on taxing this cash rebate, you will not receive a 1099 for this rebate amount in the upcoming tax season. Please save this notification with your tax information for the upcoming tax season. For complete guidelines and additional information for the HERO Program website (<http://www.EmPowerLouisiana.org>) or contact the HERO program hotline at 1-877-319-1368.

Consent to Audit

By participating in this program you consent to a possible follow up rating/audit within a three year period from the time of the rebate check date. You will be notified in advance, to schedule a time at your convenience, should your home/commercial building be randomly selected for such an audit. Thank you for your participation.

Joe Smith

Participant Full Name

Joe Smith

Participant Signature

1/25/10

Date

123 Example Street

Rated/Audited Property Address

Metairie

City

LA

State

70001

Zip

Filled out by the homeowner

Submitted by the Rater

Form W-9

Name of the Person submitting the W-9

ONLY ONE PERSON'S NAME SHOULD BE HERE AS IT OFFICIALLY APPEARS IN CONNECTION WITH THE PROVIDED SSN -

not Jonathan and Mary Doe

For businesses - a person's name does not have to be provided HERE (unless sole proprietor)

BUT SOME ONE MUST SIGN IT HERE

And PLEASE PRINT NAME LEGIBLY AFTER

If for a business fill in this blank

If for an individual leave this blank

Check the appropriate box here

Address where CHECK is to be sent

If furnishing a SSN fill it in HERE

If furnishing a EIN fill it in HERE

Individual Signs it - Prints the name that is signed next to it - and dates it HERE

Form W-9 (Rev. November 1999)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Business name, if different from above. (See Specific Instructions on page 2.)
Joe Smith

Please print or type

Check appropriate box:
☐ Individual/sole proprietor
☐ Corporation
☐ Partnership
☐ Other

Address (number, street, and apt. or suite no.)
**123 Example Street
Metairie, LA 70001**

Part I Taxpayer Identification Number (TIN)
Enter your TIN in the appropriate box. For individuals, this is your social security number (SSN). However, if you are a resident alien OR a sole proprietor, see the instructions on page 2. For other entities, it is your employer identification number (EIN). If you do not have a number, see **How to get a TIN** on page 2.
9 8 7 6 5 4 3 2 1
OR
Employer identification number
72 1 2 3 4 5 6

Part II For Payees Exempt From Backup Withholding (See the instructions on page 2.)

Part III Certification
Under penalties of perjury, I certify that:
1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding.
Certification instructions: You must check out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and general disbursements other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. (See the instructions on page 2.)

Sign Here
Signature **Joe Smith**
Name **Joe Smith**
Date **1/25/2010**

What is backup withholding? Persons:
5. You do not certify in the requester

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.
Civil penalty for false information with respect to withholding. If you make a false statement with respect to reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.
Criminal penalty for falsifying information. Willfully falsifying information, certifications, or affirmations may subject you to criminal penalties including fines and/or imprisonment.
Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Although there is no space provided for it on the form - provide the phone # of the (individual / business) and (parish) Being mailed to HERE

Ph # (504) 222 - 2222 Orleans Parish

Cat. No. 10231X
Form W-9 (Rev. 11-99)

QUICK ANALYSIS REPORT

Date:	April 16, 2010	Rating No.:	
Building Name:		Rating Org.:	
Owner's Name:	Joe Smith	Phone No.:	987-654-3210
Property:	123 Example Street	Rater's Name:	Joe Rater
Address:	Metairie, LA 70001	Rater's No.:	
Builder's Name:			
Weather Site:	New Orleans, LA	Rating Type:	Site Visit
File Name:	Smith 406 ARRA example BLG EX.blg	Rating Date:	1-25-10

Codes

IECC 2009 Performance:	Fails
IECC 2006 Performance:	Fails
IECC 2004 Performance:	Fails
IECC 2003 Performance:	Fails
IECC 2001 Performance:	Fails
IECC 2000 Performance:	Fails
IECC 1998 Performance:	Fails
ECC of NY Performance:	Fails
ECC of NV Performance:	Fails
MEC 1995 Performance:	Fails
MEC 1993 Performance:	Fails
MEC 1992 Performance:	Fails
ASHRAE 90.2 Performance:	Fails

Programs

EPA ENERGY STAR	Fails
Tax Credit	Fails
HERS Index	199

Quick Analysis of As Is/Base Home

QUICK ANALYSIS REPORT

Date: April 16, 2010

Rating No.:

Building Name:

Rating Org.:

Owner's Name: Joe Smith

Phone No.: 987-654-3210

Property: 123 Example Street

Rater's Name: Joe Rater

Address: Metairie, LA 70001

Rater's No.: 2000-009

Builder's Name:

Weather Site: New Orleans, LA

Rating Type: Site Visit

File Name: Smith 406 ARRA Testing BLG P.blg

Rating Date: 1-25-10

Codes

IECC 2009 Performance:	Fails
IECC 2006 Performance:	Fails
IECC 2004 Performance:	Fails
IECC 2003 Performance:	Fails
IECC 2001 Performance:	Fails
IECC 2000 Performance:	Fails
IECC 1998 Performance:	Fails
ECC of NY Performance:	Fails
ECC of NV Performance:	Fails
MEC 1995 Performance:	Passes
MEC 1993 Performance:	Fails
MEC 1992 Performance:	Fails
ASHRAE 90.2 Performance:	Fails

Programs

EPA ENERGY STAR	Fails
Tax Credit	Fails
HERS Index	126

Quick Analysis of Proposed Improved Home

This home would qualify

Preliminary Rating = 199

Minimum qualifying Score = $\frac{199}{1.7} = 116.47$

Energy Rated Homes of Louisiana
certifies that the home of
Joe Smith
has been rated using the Uniform Energy Rating System

HERO
Form 1119

Rated Property

Zip **70001**
City **Metairie**
State **Louisiana**
Street **123 Example Street**
Parish **Orleans**

Program and Rating Status

Program ☐ New Homes ☒ Existing Homes

Rating Status ☒ Preliminary? ☐ Final

Rating / Energy Cost

HERS Rating
Estimated Annual Energy Costs*
Estimated Annual Savings*
As-Is Property **199**
Improved Property **126**
\$3,160 **\$2,125**
\$1,035

	less efficient 200-151 ★★★★	150-101 ★★★★+	100-91 ★★★★★	90-86 ★★★★★+	85-71 ★★★★★	70 or less ★★★★★+	more efficient
Suggested Improvement Options							
Ceiling Insulation			R0		R30		Actual
Wall Insulation					R15		
Floor Insulation			R0				
Windows							
Air Leakage							
Duct Leakage							
Water Heater			.51 EF		.80 EF		
Air Leakage							
Heating Equipment							
Cooling Equipment			SEER 10		SEER 14		
Other							
Total Package							

HERO Certified Energy Rater

Joe Rater

Name

Joe Rater **1/25/10**

Signature

Date

Home Owner

Blank on

Name

Preliminary

Signature

Date

Notes: Savings total for individual efficiency measures may not equal the value of the features combined together. Every effort has been made to provide accurate information on this form based on the professional judgement of the Energy Rater at the time of the rating. No warranty as to specific energy performance is expressed or implied by the information on this form. 1. Owner signature required only for final rating. 2. Preliminary rating for New Homes must be done from from building plans.



of Louisiana

LA Dept of Natural Resources

From Preliminary
Economic Summary

From Preliminary
Energy Cost
& Feature Report

PERFORMANCE SUMMARY

Date:	April 16, 2010	Rating No.:	
Building Name:		Rating Org.:	
Owner's Name:	Joe Smith	Phone No.:	987-654-3210
Property:	123 Example Street	Rater's Name:	Joe Rater
Address:	Metairie, LA 70001	Rater's No.:	2000-009
Builder's Name:			
Weather Site:	New Orleans, LA	Rating Type:	Site Visit
File Name:	Smith 406 ARRA Testing BLG P.blg	Rating Date:	1-25-10

ARRA example BLG EX 106 ARRA Testing BLG P

Annual Load (MMBtu/yr)

	ARRA example BLG EX	106 ARRA Testing BLG P	DIFF	% DIFF
Heating	59.0	30.6	28.4	48.1%
Cooling	76.2	67.0	9.3	12.2%
Water Heating	14.3	9.1	5.2	36.3%

Annual Consumption (MMBtu/yr)

	ARRA example BLG EX	106 ARRA Testing BLG P	DIFF	% DIFF
Heating	68.8	35.7	33.1	48.1%
Cooling	27.0	17.8	9.2	33.9%
Water Heating	18.9	11.4	7.4	39.5%
Lights & Appliances	25.5	25.5		
Photovoltaics	-0.0	-0.0		
Total	140.2	90.5	49.7	35.4%

Base Home Annual
Mmbtu Usage Goes
on Cover Sheet

Improved Home Annual
Mmbtu Usage Goes
on Cover Sheet

Annual Energy Cost (\$/yr)

	ARRA example BLG EX	106 ARRA Testing BLG P	DIFF	% DIFF
Heating	\$ 1359	\$ 705	\$ 654	48.1%
Cooling	\$ 767	\$ 507	\$ 260	33.9%
Water Heating	\$ 307	\$ 186	\$ 121	39.5%
Lights & Appliances	\$ 727	\$ 727		
Photovoltaics	\$ -0	\$ -0		
Service Charges	\$ 0	\$ 0		
Total	\$ 3160	\$ 2125	\$ 1035	32.7%

Design Loads (kBtu/hr)

	ARRA example BLG EX	106 ARRA Testing BLG P	DIFF	% DIFF
Space Heating	76.2	57.8	18.4	24.1%
Space Cooling	66.1	52.3	13.8	20.9%

Utility Rates:

Electricity:	2008 elec Sou .0972
Gas:	Gas state 2008 1.631

ECONOMIC SUMMARY

Date:	April 16, 2010	Rating No.:	
Building Name:		Rating Org.:	
Owner's Name:	Joe Smith	Phone No.:	987-654-3210
Property:	123 Example Street	Rater's Name:	Joe Rater
Address:	Metairie, LA 70001	Rater's No.:	2000-009
Builder's Name:			
Weather Site:	New Orleans, LA	Rating Type:	Site Visit
File Name:	Smith 406 ARRA Testing BLG P.blg	Rating Date:	1-25-10

Simple Payback (yrs): 12

First Year Savings (\$):

Heating	653
Cooling	260
Water Heating	121
Lights & Appliances	0
Photovoltaics	0
Service Charges	0
Total	1035

First Year Cost	1222
Net Saving	-187

Assumptions:

Improvement Cost (\$)	Always \$12,000 → 12000
Interest Rate (%)	Does not matter → 8.0
Loan Term (yrs)	→ 20

Present Value of Savings (\$):

Heating	6780
Cooling	2702
Water	1261
Lights & Appliances	0
Photovoltaics	0
Service Charges	0
Total	10742

Assumptions:

Improvement Cost (\$)	Always 5 → 12000
Discount Rate (%)	Always 0 → 5.0
Fuel Escalation Rate (%)	Always 15 years on an Existing Home → 0.0
Improvement Life (yrs)	→ 15

EEP equals Total

“Energy Efficiency Premium”
“Cost of Energy Savings”
“Present Value of Energy Savings”

Differences

From

Smith 406 ARRA example BLG EX
Uninsulated Ceiling U=0.599
Uninsulated U=0.257

To

Smith 406 ARRA Testing BLG P
R-30 Blown, Attic U=0.033
R-15 U=0.062

ECONOMIC SUMMARY

Smith 406 ARRA example BLG EX.blg

Page 2

Mechanical Equipment List	Heating: Fuel-fired air distribution, 48.0 kBtuh, 80.0 AFUE.	Heating: Fuel-fired air distribution, 48.0 kBtuh, 80.0 AFUE.
	Heating: Electric air distribution, 24.0 kBtuh, 100.0 % EFF.	Heating: Electric air distribution, 24.0 kBtuh, 100.0 % EFF.
	Cooling: Air conditioner, 36.0 kBtuh, 10.0 SEER.	Cooling: Air conditioner, 36.0 kBtuh, 14.0 SEER.
	Cooling: Air conditioner, 24.0 kBtuh, 10.0 SEER.	Cooling: Air conditioner, 24.0 kBtuh, 14.0 SEER.
	Water Heating: Conventional, Gas, 0.51 EF.	Water Heating: Instant water heater, Gas, 0.80 EF.
Programmable Thermostat	Heat=No; Cool=No	Heat=Yes; Cool=Yes

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ENERGY COST AND FEATURE REPORT

Date: April 16, 2010	Rating No.:
Building Name:	Rating Org.:
Owner's Name: Joe Smith	Phone No.: 987-654-3210
Property: 123 Example Street	Rater's Name: Joe Rater
Address: Metairie, LA 70001	Rater's No.: 2000-009
Builder's Name:	
Weather Site: New Orleans, LA	Rating Type: Site Visit
File Name: Smith 406 ARRA Testing BLG P.blg	Rating Date: 1-25-10

06 ARRA example BLG EX					406 ARRA Testing BLG P		DIFF	% DIFF
ANNUAL ENERGY COSTS								
Heating	\$	1359	\$	705	\$	653	48.1%	
Cooling	\$	767	\$	507	\$	260	33.9%	
Water Heating	\$	307	\$	186	\$	121	39.5%	
Lights & Appliances	\$	727	\$	727	\$			
Photovoltaics	\$	-0	\$	-0	\$			
Service Charges	\$	0	\$	0	\$			
Estimated Annual Pre-Improvement Energy Cost Goes on Form 1119								
Total	\$	3160	\$	2125	\$	1035	32.7%	
Average Monthly	\$	263	\$	177	\$	86	32.7%	

Estimated Annual Pre-Improvement Energy Cost Goes on Form 1119

Estimated Annual Post-Improvement Energy Cost Goes on Form 1119

Estimated Annual Energy Savings Goes on Form 1119

ENERGY FEATURES

Ceiling w/Attic:	Uninsulated Ceiling U=0.599	R-30 Blown, Attic U=0.033
Vaulted Ceiling:	None	
Above Grade Walls:	Uninsulated Stud U=0.270	
Foundation Walls (Cond):	None	
Found. Walls (Uncond):	None	
Doors:	1-3/4 Wd solid core U=0.329	
Windows:	Double - Vinyl U=0.460	
Frame Floors:	Uninsulated U=0.257	R-15 U=0.062
Slab Floors:	None	
Infiltration:	Htg: 6111 Clg: 6111 CFM50	
Infilt. Measure:	Blower door test	
Mechanical Ventilation:	None	
Interior Mass:	None	
Mech Equip List:	Heating: Fuel-fired air distribution, 48.0 kBtuh, 80.0 AFUE. Heating: Electric air distribution, 24.0 kBtuh, 100.0 % EFF. Cooling: Air conditioner, 36.0 kBtuh, 10.0 SEER. Cooling: Air conditioner, 24.0 kBtuh, 10.0 SEER. Water Heating: Conventional, Gas, 0.51 EF.	Heating: Fuel-fired air distribution, 48.0 kBtuh, 80.0 AFUE. Heating: Electric air distribution, 24.0 kBtuh, 100.0 % EFF. Cooling: Air conditioner, 36.0 kBtuh, 14.0 SEER. Cooling: Air conditioner, 24.0 kBtuh, 14.0 SEER. Water Heating: Instant water heater, Gas, 0.80 EF.
Programmable Thermostat:	Heat=No; Cool=No	Heat=Yes; Cool=Yes

ENERGY COST AND FEATURE REPORT

Smith 406 ARRA example BLG EX.blg

Page 2

Ducts:	R-4.0 Attic, exposed
Duct Leakage:	312.00 CFM @ 50 Pascals
Lights/Appliances:	Defaults
Active Solar:	None
Photovoltaics:	None
Sunspace:	No

Notes: Where feature level varies in home, the dominant value is shown. Only changed features are shown for Bldg 2.

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